

FILE NOTATIONS

Entered in NID File ✓

Entered On S R Sheet ✓

Location Map Pinned ✓

Card Indexed ✓

I W R for State or Fee Land ✓

Checked by Chief PMB

Copy NID to Field Office ✓

Approval Letter Conditional

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 8-2-65

OW _____ WW _____ TA _____

GW _____ OS _____ PA ✓

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log 8-22-65

Electric Logs (No.) 2

E _____ I _____ E-I ✓ GR _____ GR-N _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ Others _____

Acoustilog

JWP

8-26-91

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

C. F. Raymond

3. ADDRESS OF OPERATOR

Suite 517, 1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1890' FSL & 500' FEL Sec. 29-42S-26E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

500'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

6000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4686' Ground

22. APPROX. DATE WORK WILL START*

May 22, 1965

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8-5/8"	24# / 50' ft	1600'	

\$75,000 Bond filed with Bureau of Indian Affairs.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

C. F. Raymond

TITLE

Geologist

DATE

5/20/65

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

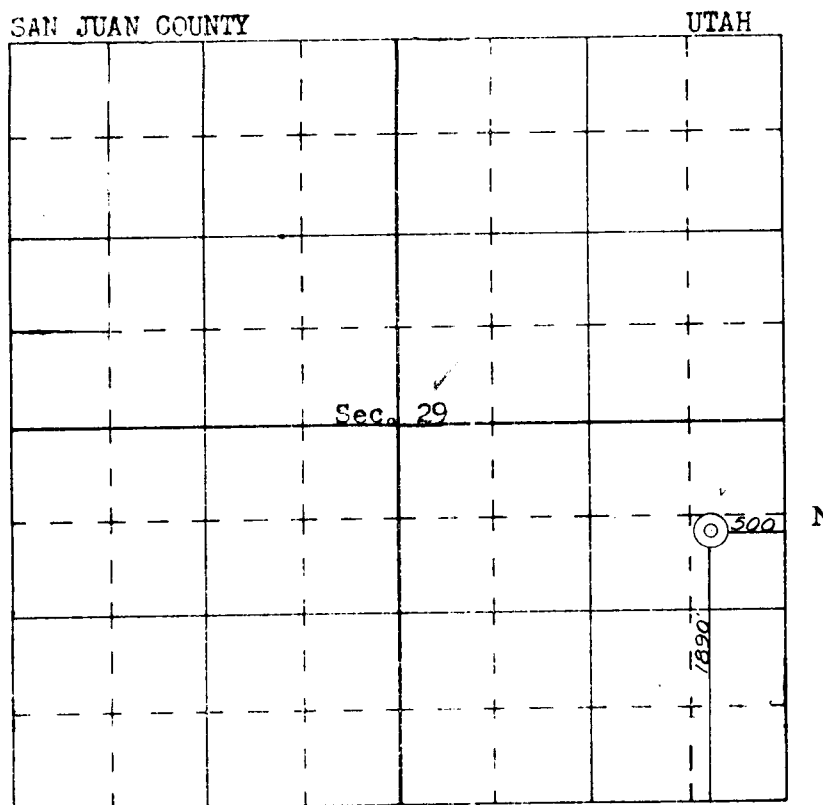
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

COMPANY RAYCO DRILLING COMPANY
Navajo
LEASE No. 14-20-603-712 WELL NO. 1-"A"
SEC. 29 T. 42 SOUTH R. 26 EAST, S.L.M.
LOCATION 1890 FEET FROM THE SOUTH LINE AND
500 FEET FROM THE EAST LINE
ELEVATION 4686.0



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

James P. Leese

Registered Land Surveyor,
James P. Leese, Utah Reg. No. 1472
San Juan Engineering Company

SURVEYED April 17, 1965

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



May 27, 1965

Mr. C. F. Raymond
1700 Broadway
Suite 517
Denver, Colorado 80202

Re: Notice of Intention to Drill Well No.
NAVAJO "A"-#1, 1890' FSL & 500' FEL,
SE NE SE of Sec. 29, T. 42 S., R. 26 E.,
SLM, San Juan County, Utah.

Dear Sir:

Insofar as this office is concerned, approval to drill said well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this Commission in accordance with Rule A-4, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

As soon as you have determined that it will be necessary to plug and abandon said well, you are hereby requested to immediately notify the following:

PAUL W. BURCHILL, Chief Petroleum Engineer
Home: 277-2890 - Salt Lake City, Utah

HARVEY L. COOMBS, Petroleum Engineer
Home: 487-1113 - Salt Lake City, Utah

Office: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water

Mr. C. F. Raymond

-2-

May 27, 1965

sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:kgw

cc: Mr. P. T. McGrath, District Engineer
U. S. Geological Survey
Farmington, New Mexico

Enclosure - Forms

H
P
am

LAW OFFICES
HOLMBERG AND POULSON
1700 BROADWAY
DENVER, COLORADO

JAMES S. HOLMBERG
ROBERT D. POULSON

TELEPHONE 623-3268
AREA CODE 303

June 2, 1965

Mr. Cleon B. Feight
Executive Director
State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Salt Lake City, Utah

Re: Designation of Agent - C. F. Raymond
Notice of Intention to Drill Well No.
NAVAJO "A"-#1, 1890' FSL & 500' FEL,
SE NE SE of Sec. 29, T. 42 S., R. 26 E.,
SLBM, San Juan County, Utah.

Dear Mr. Feight:

We represent Mr. C. F. Raymond of 1700 Broadway, Denver, Colorado, as to certain matters regarding his oil and gas operations. Referring specifically to your letter of May 27, 1965, regarding the captioned Notice of Intention to Drill, we enclose herewith the original and one copy of a fully completed and executed Designation of Agent. You will note that Mr. C. F. Raymond has designated A. W. Watson and Ned Warnock of 175 South Main Street, Salt Lake City, Utah, as his agent to accept notices and et cetera.

H

Mr. Cleon B. Feight

-2-

June 2, 1965

If you have any questions whatsoever regarding this Designation of Agent or any other related matter as to the captioned Notice of Intention to Drill, please so advise.

Yours very truly,

HOLMBERG AND POULSON


Robert D. Poulson

RDP/jb
Enclosure

cc: Mr. C. F. Raymond
Suite 517
1700 Broadway
Denver, Colorado

cc: Mr. George Moledec
C-T Corporation
1700 Broadway
Denver, Colorado

[Handwritten initials]

FILE IN DUPLICATE

OIL & GAS CONSERVATION COMMISSION
OF THE STATE OF UTAH

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations, and Rules of Practice and Procedure of the Oil and Gas Conservation Commission of the State of Utah, hereby appoint, A. W. Watson and Ned Warnock, whose address is 175 South Main St., Salt Lake City, Utah, (his, her or its) designated agent to accept and to be served with process from said Commission, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective Date of Designation June 1, 1965

Company XXXXXXXX Address XXXXXXXX

By C. F. Raymond Title XXXX
(Signature)

**C. F. Raymond
Suite 517
1700 Broadway
Denver, Colorado**

NOTE: Agent must be a resident of Utah.

[Handwritten mark]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo

9. WELL NO.

1-"A" Navajo

10. FIELD AND POOL, OR WILDCAT

Yellow Rock-Lower Ismay

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

29-42S-26E

12. COUNTY OR
PARISH

San Juan

13. STATE

Utah

1a. TYPE OF WELL:

OIL
WELL ☐GAS
WELL ☐DRY ☒

Other

b. TYPE OF COMPLETION:

NEW
WELL ☐WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

Other

2. NAME OF OPERATOR

C. F. Raymond

3. ADDRESS OF OPERATOR

1700 Broadway, Suite 517, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1890' FSL & 500' FEL Sec. 29-42S-26E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

6-21-65

16. DATE T.D. REACHED

7-30-65

17. DATE COMPL. (Ready to prod.)

8-2-65

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

4700' RKB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5924'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

All

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Lane Wells Induction-Electric & Gamma Ray-Sonic

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	32	103'	20"	150 Sacks	None
8 5/8"	24	1585'	11"	150 Sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH	INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
			→					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Lane Wells Induction-Electric & Gamma Ray-Sonic Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

R. S. Hunt

TITLE

Agent

DATE

8/9/65

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH TRUE VERT. DEPTH
Upper Ismay	5660	5670	LS., Tan-brn, Dns, intergranular por, scat stn & fluor	Chinle	1848
Lower Ismay	5735	5747	LS., Wh-lt gry, foss, interxln por. golden fluor, bldg O. & G. 5736-5743.	De Chelly Organ Rock. Hermosa Ismay	2784 3048 4724 5622
(Cored Lower Ismay 5735-5790')				Lower Ismay	5722
D.S.T. #1, 5732-5790, packers failed upon opening				Gothic	5762
D.S.T. #2, 5737-5790, packers failed upon opening				Desert Creek	5820
D.S.T. #3, 5654-5674, Hookwall Test, Hook failed to hold.				Ship Rock	5908
Schlumberger wire line formation sampler test, 5666-5668.5., recovered 20,800 c.d. water with thin oil film.					
initial shut in pressure 1590 psi					
shut in time 16 mins.					
sampling time 100 psi					
sampling time 21 mins.					
Final shut in 1590 psi					
shut in time 14 mins.					
hydrostatic 3220 psi					

AUG 27 1965

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Navajo "A" 1

Operator C. F. Raymond Address 1700 Broadway, Suite 517
Denver, Colo 80202 Phone 825-9115
Pet. Club Plaza Bldg.

Contractor Rayco Drilling Co. Address Farmington, N.M. Phone 325-1461

Location NE 1/4 SE 1/4 Sec. 29 T. 42 N R. 26 E San Juan County, Utah.
S W

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>640'</u>	<u>850'</u>	<u>10 BPH estimated</u>	<u>Fresh</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

(Continued on reverse side if necessary)

Formation Tops:

Chinle 1848	Hermosa 4724	Gothic 5762
DeChelly 2784	Ismay 5622	Desert Creek 5820
Organ Rock 3048	L. Ismay 5722	Ship Rock 5908

Remarks:

NOTE: (a) Upon diminishing supply of forms, please inform the Commission.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

PLUGGING PROGRAM FORM

Name of Company Raymond Oil Co Verbal Approval Given To: Bill Hula

Well Name: #1 Navajo "A" Sec. 29 T. 42S R. 26E County: SAN JUAN

Verbal Approval was given to plug the above mentioned well in the following manner:

<u>Tops</u>	<u>Depth</u>	<u>Plugs</u>
8 $\frac{5}{8}$ " csq	1585'	1625 - 1550
DeChelley	2830'	2875 - 2775
Hermosa	4724'	4750 - 4650
Ismay	5622'	
L. ISmay	5722'	
Gothic	5762'	5790 - 5690
Shiprock	5918'	T.D. - 5790
T.D.	5924	

Porous Zones in Paradox - 5664 - 70
5735 - 42

Operator set plug from T.D. - 5790 to enable
them to test upper Ismay porosity zones.

Date Verbally Approved: July 30, 1965 Signed: Harry Klint

OK

PM

C. F. RAYMOND
OIL OPERATOR
1700 BROADWAY
DENVER, COLORADO 80202
PHONE: 825-9115

August 23, 1965

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple, Suite 301
Salt Lake City, Utah 84111

ATTENTION: Paul W. Burchell

Re: C. F. Raymond
#1 Navajo "A"
NE/4 SE/4 Sec. 29, 42S-26E
San Juan County, Utah

Dear Mr. Burchell:

Enclosed please find the following on subject
well:

- (1) Geological Completion Report
- (2) USGS Well Completion Report & log
- (3) Lane Wells Induction-Electric & Acoustilog
- (4) Plugging Affidavit
- (5) Report of water encountered during drilling

If there is any further information you desire,
please advise.

Very truly yours,

C. W. Hula
C. W. Hula
Geologist

CWH:gh

Enc.

10

242

GEOLOGICAL COMPLETION REPORT

ON

C. F. RAYMOND

#1 Navajo "A"

NE/4 SE/4 Sec. 29, T. 42S, R. 26E.
San Juan County, Utah

Prepared for: C. F. Raymond
Prepared by: C. W. Hula, Jr.
Date: August 5, 1965

RESUME

OPERATOR: C. F. Raymond
LEASE: Navajo "A" #1
LOCATION: NE/4 SE/4 (1890' FSL & 500' FEL)
Sec. 29, T. 42S, R. 26E, SLM
San Juan County, Utah.
ELEVATION: 4686' G.L., 4700' K.B.
CONTRACTOR: Rayco Drilling Company
SPUD DATE: June 21, 1965
COMPLETED: August 1, 1965
STATUS: Plugged and abandoned
SURFACE CASING: 13 3/8" @ 103' w/150 sacks
8 5/8" @ 1585' w/150 sacks
CORES: One (Details inside)
DRILL STEM TESTS: Four (Details inside)
LOGS: Lane Wells Induction - Electrical and
gamma ray - sonic

<u>Formation</u>	<u>Log Tops</u>	<u>Subsea</u>
Chinle	1848	+2852
De Chelly	2784	+1916
Organ Rock	3048	+1652
Hermosa	4724	-24
Ismay	5622	-922
Lower Ismay	5722	-1022
Gothic	5762	-1062
Desert Creek	5820	-1120
Ship Rock	5908	-1208

Total Depth 5924' (E. Log & Driller)

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Hours</u>
1	11	HTC	OSCIG	114	496	382	8
2	11	"	OSC-3	496	1132	636	17 3/4
3	11	"	OSCIG	1132	1585	453	8 1/2
4	7 7/8	"	OSC3J	1585	1906	321	9
5	"	"	"	1906	2470	564	13 1/4
6	"	"	"	2470	2815	345	18 3/4
7	"	"	C3C	2815	3010	195	8 1/4
8	"	"	OSCIG	3010	3103	93	9
9	"	"	C3CJ	3103	3171	68	10 1/4
10	"	"	OSCIG	3171	3295	124	13
11	"	"	"	3295	3467	172	16
12	"	"	"	3467	3648	181	18 1/4
13	"	"	"	3648	3801	153	18 1/2
14	"	"	"	3801	3972	171	20
15	"	"	C3C	3972	4118	146	13
16	"	"	"	4118	4251	133	13 3/4
17	"	"	"	4251	4380	129	13 1/4
18	"	"	OSCIGJ	4380	4501	121	13 3/4
19	"	"	CIC	4501	4646	145	16 1/4
20	"	"	OSCIGJ	4646	4756	110	12 3/4
21	"	"	CIC	4756	4841	85	14
22	"	"	OWV	4841	4921	80	15
23	"	"	"	4921	5017	96	13
24	"	"	"	5017	5085	68	11
25	"	"	OSC	5085	5178	83	15 1/2
26	"	"	OWV	5178	5293	115	18 1/2
27	"	"	"	5293	5406	113	18 3/4
28	"	"	"	5406	5538	132	19 1/2
29	"	"	"	5538	5611	73	13
30	"	"	"	5611	5693	82	13 1/2
31	"	"	"	5693	5735	42	8 3/4
32	7 13/16	Chris.	Dia.	5735	5790	55	10 1/2
33	7/5/8	HTC	W7	5790	5872	82	15 1/2
34	"	"	W7R	5872	5924	52	15

CHRONOLOGICAL WELL HISTORY

6/21/65	Spudded	7/19	Drilling @ 5145'
6/22	Drilling rat hole	7/20	Drilling @ 5265'
6/23	Drilling @ 40'	7/21	Drilling @ 5368'
6/24	170' prep. run casing	7/23	Drilling @ 5610'
6/25	Reaming hole to 20"	7/26	Drilling @ Cored 5735' - 5790'
6/28	Set 13 3/8" casing @ 103'	7/27	Attempted DST #1 & #2
6/29	Set 8 5/8" casing at 1585'	7/28	Drilling @ 5880'
6/30	Drilling @ 2065'	7/29	Drilled to T.D. Of 5924'
7/1	Drilling @ 2601'	7/30	Ran electric logs
7/2	Drilling at 2675"	7/31	Attempted DST #3
7/6	Drilling at 3406'	8/1	Ran wire line formation tester
7/7	Drilling @ 3528'	8/2	Plugged and abandoned
7/8	Drilling @ 3700'		
7/12	Drilling @ 4303'		
7/13	Drilling @ 4461'		
7/14	Drilling @ 4615'		
7/15	Drilling @ 4780'		
7/16	Drilling @ 4841'		

Ismay Description & Comments

The primary objective in this well was the Lower Ismay Zone which produces in the Phillips well to the south. On top of this formation, the Raymond well ran 21 feet lower structurally than the Phillips well. On top of the first porosity development and oil shows, the Raymond well ran 27 feet lower structurally. The Raymond well was cored in this zone and an analysis thereof is enclosed in this report. Core analysis indicates the zone to be water productive. This prospect was predicated on running structurally higher than the Phillips well. Running lower structurally placed the Ismay Top at or below the oil water contact, and therefore completely ruled out any producing possibilities therein. Two attempted drill stem tests in the Lower Ismay failed due to a thin hairline fracturing system present in the formation.

The Upper Ismay exhibited a thin porous zone which was considered deserving of a test in spite of the poor shows found in the samples. One attempted drill stem test therein failed and a wire line formation sampler test recovered water with only a very slight oil film.

Phillips, Superior, and Humble, the major companies, jointly contributing acreage to this test granted permission to abandon the well. Hole was plugged and abandoned on August 2, 1965.

p. 102

DEVIATION SURVEYS

<u>Depth</u>	<u>Dev.</u>	<u>Depth</u>	<u>Dev.</u>	<u>Depth</u>	<u>Dev.</u>
651'	1	2283'	1½	3283'	1½
1845'	2	2533'	1½	3648'	¾
1940'	2	2815'	1½	4251'	¾
2033'	2	3100'	1¼	4501'	¼

CORES AND DRILL STEM TESTS

Core #1, 5735-5790', rec. 54' as follows:

5735-5747', limestone, white to light gray, tight in top 1', highly fossiliferous, scattered black carbonaceous shale inclusions. Good intercrystalline porosity, bleeding oil and gas from 5736' to 5743', becoming tighter and wet appearing bottom 5'.

5747-5762', 15' limestone, light gray, hard, dense, thinly scattered hard black shale laminations. Bleeding oil and gas at 5756.5'.

5762-5790', 27' shale, hard, black, dense.

CORE ANALYSIS

<u>Depth</u>	<u>% Por.</u>	<u>% Oil Sat.</u>	<u>% Ntr.</u>	<u>Perm.</u>	<u>Prob. Prod.</u>
5735-36	2.5	8.0	84.1	0.1	Water
37	6.7	3.0	38.2	0.1	"
38	4.4	4.5	61.3	0.01	"
39	5.9	3.4	66.2	0.06	"
40	8.3	6.0	32.5	142	"
41	11.2	6.2	34.4	37	"
42	11.7	6.0	29.9	52	"
43	13.3	1.5	59.3	2.7	"
44	9.5	0.0	69.7	1.1	"
45	9.4	0.0	55.4	5.5	"
46	7.5	0.0	62.7	0.60	"
47	6.7	0.0	49.3	0.65	"
50	1.4	0.0	93.0	0.01	"

DRILL STEM TESTS

D.S.T. #1, 5732'-5790', Packers failed upon opening.

D.S.T. #2, 5737'-5790', Packers failed upon opening.

D.S.T. # 3, 5654'-5674', Hookwall test. Hook failed to hold.

Schlumberger Wire Line Formation Sampler Test, 5666'-5668.5'.
Recovered 20,800 c.c. water with thin film of oil.

Pressure Data

Initial Shut In	1590 psi.
Shut in time	16 mins.
Sampling	100 psi.
Sampling time	21 mins.
Final Shut In	1590 psi.
Shut in time	14 mins.
Hydrostatic	3220 psi.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN 1
(Other instruc.
verse side)ICATE*
on re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo

9. WELL NO.

1-A Navajo

10. FIELD AND POOL, OR WILDCAT

Yellow Rock-Lower Ismay

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

29-42S-26E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

C. F. Raymond

3. ADDRESS OF OPERATOR

1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1890' FSL 500' FEL, Sec. 29-T42S-26E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, G, etc.)

4700 KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

This well drilled to lower Ismay to test same, all formations were non-productive. 103' surface pipe was set w/150 sacks cement. 1585' 8-5/8 intermediate string with 150 sacks cement. The 600' zone of fresh water flows between the 8-5/8 and 13-3/8.

We received the verbal plugging orders from Farmington U.S.G.S. Office.

Plug #1 5500 to 5800 - 100 sacks

Plug #2 4680 to 4780 - 35 sacks

Plug #3 2730 to 2830 - 30 sacks

Plug #4 1535 to 1635 - 35 sacks

These plugs were put in August 1, 1965

The 600 zone is or will flow fresh water between the 13-3/8 and 8-5/8 and we were requested to leave this for a water well as it is Artesian.

18. I hereby certify that the foregoing is true and correct

SIGNED

Herman J. Bayer

TITLE

Prod. Supt.

DATE

8/25/65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo "A"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE1/4 Sec. 29-42S-26E SW

12. COUNTY

San Juan

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR

Phillips Petroleum Co. for C. F. Raymond

3. ADDRESS OF OPERATOR

Box 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1890' FEL, 500' FEL, Sec. 29-42S-26E
SW, San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4697' DF

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☒
☐
☐

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 8-25-69 Measured 6 day Shut In Pressure, was 370' gauge. Flowed annulus 1 hr. Flowing rate at end of hr. was 15 GPM. Halliburton cemented 13-3/8" x 8-5/8" annulus w/250 sz. seg. cement with 1/4" Floccals & 2% Calcium Chloride/sack, followed w/175 sz. seg. cement as follows: First 100 sz. pumped in at 1:00 min. to 600' max. pressure in 1 hr. of pumping. Had numerous pressure breaks, but no holding pressure. Remaining 325 sz. of cement were pumped in over a 2 hour period at a fairly uniform rate. During the first hour had several pressure build-ups to 400' max., but no holding pressure. During the last hour of pumping, pressure was fairly uniform at 150'. Initial Shut In Pressure was 60'. 40 min. Shut In Pressure was 54'. Job complete at 2:30 P.M. 8-25-69. No change in volume of leakage could be observed during the flowing or cementing operation. Leakage will be periodically checked to determine if plugging attempt was successful. Installation of plug in top of 8-5/8" casing will be deferred pending determination if above work was successful, or if necessary to clean out inside of 8-5/8" casing, perforate and spacers to shut off leak.
- 8-28-69 Inspected water seep area. Flow was greatly reduced. Estimated 2 to 3 GPM. Installed plate on 10-3/4" flange.
- 9-1-69 Inspected water seep area. Flow was further reduced. Estimated 1 to 1 1/2 GPM.
- 9-7-69 Inspected water seep area. Surface flow has stopped. Some underground flow continues. All of seep area seems to be draining out and drying up.

(Continued on Sheet #2)

18. I hereby certify that the foregoing is true and correct

SIGNED

C. E. Holan
C. E. Holan

TITLE

District Superintendent

DATE

5-22-70

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Orig. & 2 cc: BGS, Farmington, NM
2 cc: Utah OGC, Salt Lake City, Utah
1 cc: Bartlesville
1 cc: Denver
1 cc: File

*See Instructions on Reverse Side

USGS Form 9-331
Page No. 2

Navajo "A" #1
(Cont'd from Sheet #1)

- 9-16-69 Inspected water seep area 9-16-69. Drying up of all areas is continuing.
- 9-29-69 Inspected location 9-29-69. With exception of three small spots, all standing water in cattail area has dried up. Small amount of seepage continues from four boggy spots near bottom of hill at upper end of ravine. Amount of seepage appears less than found on 9-16-69.
- 5-20-70 Inspected location. Water seep area completely dried up.
- 5-21-70 Plugged and abandoned. On May 21, 1970, bailed 8-5/8" casing from surface to 56'. Cemented 56' to surface with 18 sz. regular cement. Installed dry hole marker. Filled cellar and cleaned location. Job complete 11:15 A.M. 5-21-70.